A YARD PERFORMANCE MODEL BASED ON
TASK FLOW MODELING

ABSTRACT OF THE DISCLOSURE

A method for managing railcar movement in a railyard based on the flow of railyard tasks, using a system that includes a computer including a processor, a memory device, and a database. The railyard includes six subyards including a surge yard, a receiving yard, a receiving inspected (RI) yard, a classification yard, a departure yard and a departure inspected (DI) yard. The method uses initial parameters, input to the computer, to simulate railyard task flow utilizing a yard performance model. Based on the simulation, the method determines if a train schedule can be met.

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